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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A method for assigning PNpseudorandom number offsets of a synchronized timing system to sectors of communication cells in a communications network comprising the steps of:

determining a minimum delay offset between PNpseudorandom number offsets that will avoid signal collision when the PNpseudorandom number offsets are assigned to adjacent sectors of the same cell;

applying delay offsets of no less than the minimum delay offset between PNpseudorandom number offsets assigned to adjacent sectors of the same cell; and

applying varied delay offsets between PNpseudorandom number offsets assigned to sectors of different cells.

2. (currently amended) The method of claim 1 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

applying a delay offset of two (2) between PNpseudorandom number offsets assigned to sectors of the same cell.

3. (currently amended) The method of claim 1 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

applying a delay offset of at least three (3) between PNpseudorandom number offsets assigned to adjacent sectors of the same cell.

4. (currently amended) The method of claim 1 and further comprising the steps of:

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applying delay offsets of more than the minimum delay offset between the PNpseudorandom number offsets assigned to sectors of the same cell.

5. (currently amended) The method of claim 4 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

applying a delay offset of at least three (3) between PNpseudorandom number offsets assigned to sectors of the same cell.

6. (currently amended) The method of claim 1 and further comprising the step of:

applying a varied delay offset of more than the minimum delay offset between PNpseudorandom number offsets assigned to sectors of different cells when the different cells are within five cells of each other.

7. (currently amended) The method of claim 6 and further comprising the step of:

applying a varied delay offset of at least 10 between PNpseudorandom number offsets assigned to sectors of different cells when the different cells are within five cells of each other.

8. (currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

applying a delay offset of two (2) between PNpseudorandom number offsets assigned to adjacent sectors of the same cell.

9. (currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

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applying a delay offset of three (3) between PNpseudorandom number offsets assigned to adjacent sectors of the same cell.

10. (currently amended) The method of claim 6 and further comprising the steps of:

applying a delay offset of more than the minimum delay offset between the PNpseudorandom number offsets assigned to adjacent sectors of the same cell.

11. (currently amended) The method of claim 6 and further comprising the steps of:

determining that the minimum delay offset is two (2); and

applying a delay offset of three (3) between PNpseudorandom number offsets assigned to adjacent sectors of the same cell.

12. (currently amended) The method of claim 1, and further comprising the step of:

assigning the PNpseudorandom number offsets to the sectors in a 25 spatial reuse pattern.

13. (currently amended) A network of communication cells having sectors assigned with PNpseudorandom number offsets of a synchronized timing system, comprising:

the PNpseudorandom number offsets that are assigned to adjacent sectors of the same cell having no less a minimum delay offset therebetween to avoid signal collision; and

the PNpseudorandom number offsets that are assigned to sectors of different cells having varied delay offsets therebetween.

14. (currently amended) The network of claim 13 and further comprising:

the PNpseudorandom number offsets that are assigned to adjacent sectors of the same cell being applied with the minimum delay offsets therebetween.

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15. (original) The network of claim 14 and further comprising:
the minimum delay offset is two.
16. (currently amended) The network of claim 13 and further comprising:
the PNpseudorandom number offsets that are assigned to adjacent sectors of the
same cell being applied with delay offsets therebetween of more than the minimum delay
offset.
17. (currently amended) The network of claim 16 and further comprising:
the minimum delay offset is two (2); and
the PNpseudorandom number offsets that are assigned to adjacent sectors of the
same cell being applied with delay offsets therebetween of (3).
18. (currently amended) The network of claim 16 and further comprising:
the PNpseudorandom number offsets assigned to sectors of different cells being
applied with varied delay offsets that are more than the minimum delay offset when the
different cells are within five cells of each other.
19. (original) The network of claim 18 wherein; each of the varied delay
offsets is ten (10).
20. (currently amended) The network of claim 16 and further comprising:
the PNpseudorandom number offsets are assigned to sectors in a 25 spatial reuse
pattern.